

DEPARTMENT OF HEALTH SERVICES

714/744 P STREET

P.O. BOX 942732

SACRAMENTO, CA 94234-7320

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SEP 17 1990



(916) 323-3417

RIVERSIDE COUNTY September 11, 1990
PLANNING DEPARTMENT

Mr. Steve Kupferman
Riverside County Planning Department
4080 Lemon Street, 9th Floor
Riverside, CA 92501

Dear Mr. Kupferman:

Staff of the California Department of Health Services (Department) have reviewed the Reclamation Plan for the Stringfellow Quarry and have several comments on the plans for quarry reclamation. The Stringfellow Hazardous Waste Site sits upgradient and is adjoining the Hubbs Quarry. The Department and the U.S. Environmental Protection Agency (EPA) are working toward mitigation of the Stringfellow Site, but have not yet completed studies required to determine what cleanup technologies will be used for the onsite area (Zone 1 in the attached map.) It is anticipated that a decision to begin the Zone 1 remediation will be made in 1991. As long as there are contaminated soils remaining on site, the Department and EPA will conduct a five year review of the mitigation measures available for implementation at the Site. Further mitigation may be recommended following each or any of these reviews. It is very difficult to comment upon the impact of the quarry on cleanup of the Stringfellow Site or the impact of the cleanup of the Stringfellow Site on the quarry without knowing what mitigation measures will be implemented. In the interim, the Department makes the following comments:

1. The Department is concerned over the extent to which the quarry will be mined during the thirty years of operation depicted in the reclamation plans. The quarry mining will extend very close to, and possibly into, the areas of contaminated soils and rock. The mining operation will expose vertical walls which may contain fractures that connect to Zone 1 and may weep contaminated leachate into the quarry area. If these conditions are encountered, staff of the Department should be notified. It may also be necessary to sample and analyze this material to determine if it is a hazardous substance.
2. If, during mining operations, unknown materials are encountered, the Department should be notified, the material should be sampled, and disposal of the material should await the results of analysis.

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3. The Department is also concerned that quarry or mining operations not interfere with, or result in the damage of DHS or EPA equipment or wells, and that any wells that are already damaged be restored.
4. Sampling and analysis of soil surrounding the bunkers should be done before the bunkers are destroyed or the surrounding soil/rock is mined.
5. All analysis done in accordance with the recommendations of the Department should be done by a California certified hazardous materials lab. A copy of all analytical results should be sent to the Department prior to the removal or movement of the material sampled.
6. The Department is not aware of any operating ordinance manufacturing facilities in the canyon (Item 5.)
7. The Pyrite Channel should be maintained and cleared of vegetation and debris yearly.
8. Blasting should be controlled so that no fly rock and minimal dust is allowed to be deposited on Stringfellow remediation facilities. Ground motions should not exceed 0.50 ips at the pretreatment plant or within the fenced portion of the Stringfellow site.
9. During excavation for the surface water diversion channels, two gas pockets were encountered. These gas pockets may originate from volatilization of the contaminants in the underlying contaminated groundwater. Hubbs should not conduct excavation within 300' of Pyrite Creek without air monitoring and a contingency plan prepared by an industrial hygienist.

The Department's comments are based upon current information and plans for remediation of the Stringfellow site.

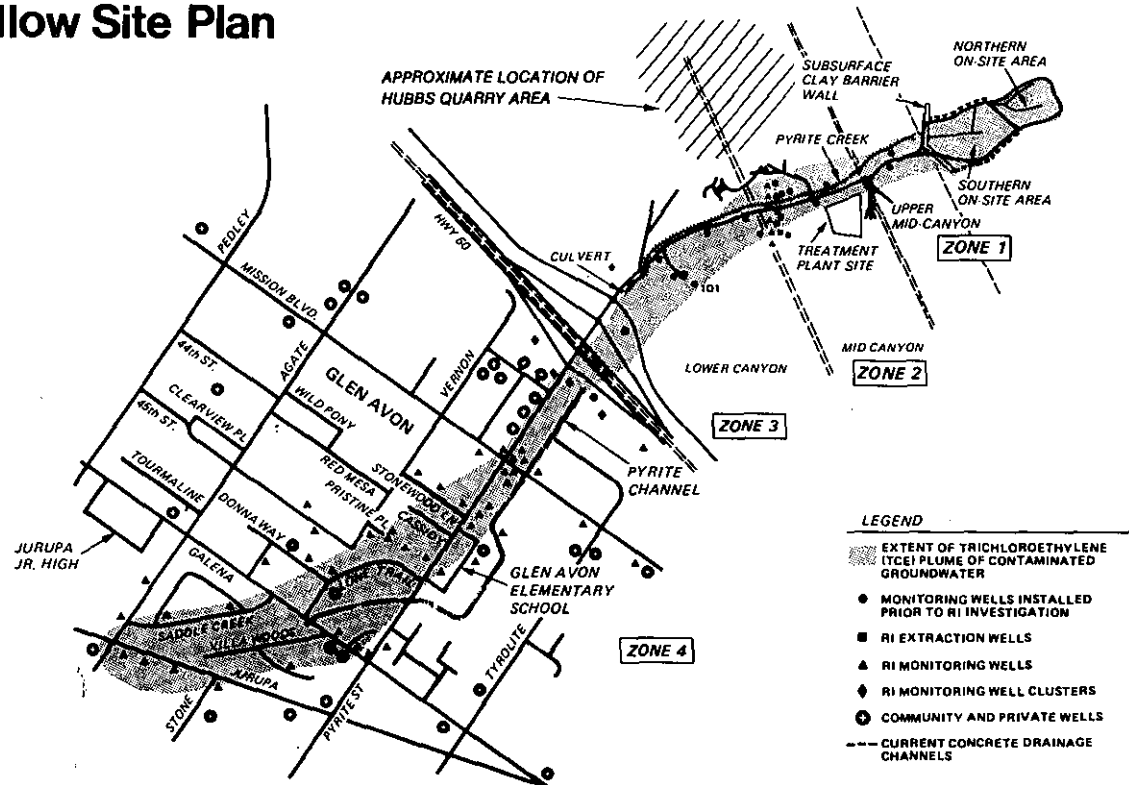
Sincerely,



Beth Jines
Special Projects

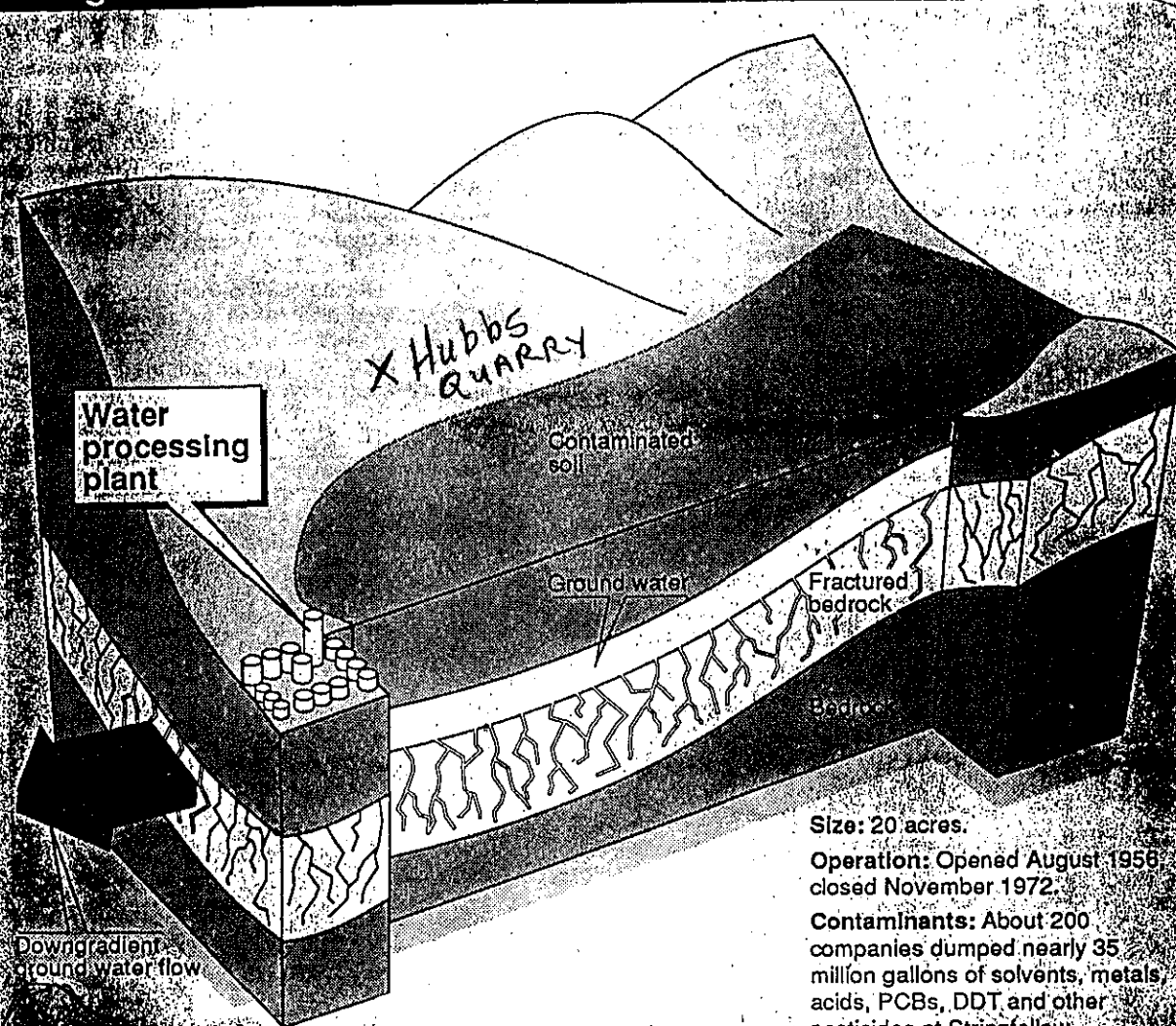
cc: Karen Ueno, U.S. EPA

Stringfellow Site Plan



THIS MAP defines the contaminated groundwater plume that extends from the Stringfellow site into Glen Avon, the wells for monitoring and extraction, and the zones and canyon areas of the site.

Stringfellow Acid Pits cleanup proposal



Size: 20 acres.

Operation: Opened August 1956, closed November 1972.

Contaminants: About 200 companies dumped nearly 35 million gallons of solvents, metals, acids, PCBs, DDT and other pesticides at Stringfellow.

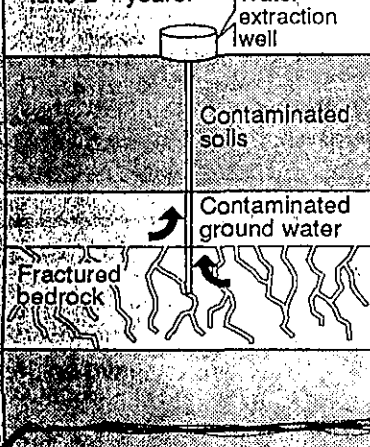
Threat: 1.8 million cubic yards of heavily contaminated soil and 14 million gallons of polluted groundwater on site have caused extensive groundwater pollution in Glen Avon less than two miles away.

Money spent to date: At least \$43 million.

Site added to Superfund cleanup list in 1982.

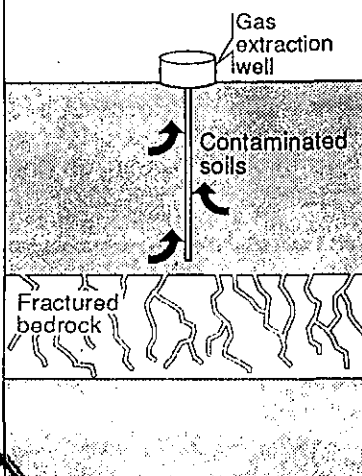
Water removal

The state Department of Health Services recommends a three-part, \$169 million plan for getting rid of toxics at Stringfellow. First, about 30-40 wells would be installed at the dump to drain and treat about 14 million gallons of polluted water. This work could cost \$3.6 million and take 2-4 years.



Gas removal

Once the site is dry, up to 1,000 wells would be installed to suck out dangerous gases trapped in the dump. This work could cost \$24 million and take 2 years.



Other work

While toxic gases and water are removed, officials will spend about \$5 million to further explore techniques to decontaminate soil at the dump. The proposal also calls for expanding the Pyrite Canyon treatment plant, installing cleanup wells in Glen Avon, completing drainage channels around the dump and possibly building a 15-mile pipeline to dispose of treated water.

THOMPSON & COLEGATE

ATTORNEYS AT LAW

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RIVERSIDE COUNTY
PLANNING DEPARTMENT

September 9, 1987

REPLY 84-608.8
ATTENTION: Nora I. Tu-Willis

Riverside County Planning Department
4080 Lemon Street, 9th Floor
Riverside, California 92501

Attention: Roger S. Streeter, Planning Director
Deb Ubnoske, Supervising Planner

Re: Stringfellow Quarry Surface Mining Reclamation Plan

Dear Mr. Streeter and Ms. Ubnoske:

Please find enclosed 26 copies of the Stringfellow Quarry Surface Mining Reclamation Plan, prepared by Tom Dodson & Associates for Paul Hubbs Construction Company. Also enclosed is a check for \$1,000.00 in payment of the filing fee for surface mining operations with vested rights. Paul Hubbs Construction Company wishes to make clear that submittal of the \$1,000.00 filing fee in no way constitutes a relinquishment or waiver of their vested rights.

If you have any questions regarding the above, please do not hesitate to contact this office. However, if you have any questions regarding the substantive content of the reclamation plan, please contact Paul Hubbs Construction Company.

THOMPSON & COLEGATE

Nora I. Tu-Willis

NORA I. TU-WILLIS

NTW/sdk
Enclosures
cc: Tony Paredes

*APP
Fee*